

Please add the following new heading before the paragraph bridging pages 1-2:

--SUMMARY OF THE INVENTION--.

Please add the following new heading before the paragraph bridging pages 2-3:

--DETAILED DESCRIPTION OF PREFERRED EMBODIMENTS--.

Please add the following new paragraphs after the last paragraph on page 3:

--In accordance with a preferred embodiment, a structured layer is generated by structured prefabrication of a liquid, light-setting material with selected physical, chemical or biological properties. The structured layer is cleaned of the uncured material by means of a flushing process, filled with liquid, light-setting material with other physical, chemical or biological properties, and covered with a defined layer thickness according to DE-PS 44 20 996. Areas of the first layer and the new layer are cured in a structured manner by structured solidification. The structured layers are cleaned of uncured material of the last structuring by means of a flushing process, filled with liquid, light-setting material with other physical, chemical, and biological properties, and covered with a defined

layer thickness, according to DE-PS 44 20 996. Areas of the second layer and the new layer are cured in a structured manner by structured solidification, generating in this manner a connection of materials with the same physical, chemical, or biological properties, or an insulation of these materials. The structured layers are cleaned of the uncured materials of the last structuring by means of a flushing process. Areas not filled with material are fitted with electronic, mechanical, optical, or chemical components according to the system to be produced. The structured layers and the components are filled with liquid, light-setting material with other physical, chemical, and biological properties, and covered with a defined layer thickness according to DE-PS 44 20 996. Areas of the second-last layer and the new layer are cured in a structured manner, by structured solidification, generating in this manner a connection of materials and components with the same physical, chemical, or biological properties, or an insulation of such materials and components.

Several electronic, mechanical, chemical or biological/electrical components may be connected to each other in accordance with the method. The connections between the components and the environment of the system can also be used for volumetric and energy flows.--